AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

- 1-28. (Canceled)
- 29. (Canceled)
- 30. (Currently amended) A process according to Claim 43 29, wherein the metal cation is selected from the group consisting of metals from Columns IIIA, IVA, VIII, IB, IIB, IIIB and VB of the Periodic Table, the lanthanides and the actinides.
- 31. (Previously presented) process according to Claim 30, wherein the metal cation is selected from the group consisting of titanium, iron, cobalt, nickel, copper, aluminum, zinc, gold, silver, platinum, cerium, lanthanum, yttrium, iridium, ruthenium, rhodium, osmium, and palladium.
- 32. (Currently amended) A process according to claim 43 29, wherein the precursor is in the form of an aqueous solution of a water-soluble salt of a metal cation selected from the group consisting of nitrates, sulfates, chlorides, and phosphates.
- 33. (Previously presented) A process according to one of claim 32, wherein the precursor is in the form of an aqueous dispersion of particles or of aggregates of particles comprising a hydroxide, a hydroxide oxide or a partially hydrolyzed water-soluble salt of a metal cation, optionally combined with an oxide of a metal cation.
- 34. (Previously presented) A process according to the claim 33, wherein the particles or the aggregates have a mean size of less than or equal to 100 nm.

- 35. (Previously presented) A process according to the claim 34, wherein the particles or the aggregates have a mean size of between 2 and 100 nm.
- 36. (Currently amended) A process according to claim 43 29, wherein the hydrolyses of stage b) and that of stage d) are carried out in the presence of a base which is an alkali metal hydroxide, an alkaline earth metal hydroxide, or aqueous ammonia.
- 37. (Previously presented) A process according to Claim 36, wherein the base is chosen from sodium hydroxide, potassium hydroxide, calcium hydroxide or aqueous ammonia, alone or as mixtures.
- 38. (Currently amended) A process according to claim 43 29, wherein the base employed during optional stage b), and during stage d) corresponds to 50 to 130% of a stoichiometric amount needed to completely hydrolyze the precursor.
- 39. (Previously presented) A process according to claim 38, wherein, if n1 is non zero and represents the number of moles of base employed during stage b), n2 represents the number of moles of base employed during stage d) and n represents the sum of n1 and n2, then n1 and n2 conform to the following inequalities $0 < n1 \le 0.8n$ and $0.2n \le n2 \le n$.
- 40. (Canceled)
- 41. (Currently amended) A process according to claim 43 40, wherein the watersoluble comb copolymer has a weight-average molecular mass (Mw) of between 2 000 and 5 x 10^5 g/mol.
- 42. (Canceled)

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43. (Currently amended) A process according to Claim 42, wherein for the preparation of particles comprising at least one metal ion which comprises the following stages:

a) at least one precursor comprising a metal cation is dissolved or dispersed in an aqueous medium;

b) a partial hydrolysis of said precursor is optionally carried out,

c) the precursor resulting from stage a) or the partially hydrolyzed precursor resulting from stage b) is brought into contact with at least one water-soluble comb copolymer comprising either a complexing anionic hydrophilic backbone and nonionic stabilizing hydrophilic side chains or a combination of said comb copolymer with at least one complexing anionic hydrophilic polymer; the water-soluble comb copolymer, optionally combined with the water-soluble polymer, is chosen so that the comb copolymer, optionally combined with the hydrophilic polymer, forms a transparent solution at 10% by weight in water at a temperature which is the lowest temperature to which said comb copolymer, optionally combined with the hydrophilic polymer, is subjected in said process, said backbone being obtained from monomers chosen from unsaturated monocarboxylic acids, unsaturated polycarboxylic acids or their anhydride form, or unsaturated sulfonic acids, optionally in combination with one or more waterinsoluble monomers, the monomers forming the nonionic side chains are macromonomer entities selected from the group consisting of macromonomers of poly(ethylene glycol) (meth)acrylate, poly(vinyl alcohol) (meth)acrylate, $poly(hydroxy(C_1-C_4)alkyl (meth)acrylate) (meth)acrylate, poly(N-methylolacrylamide)$ (meth)acrylate and poly((meth)acrylamide) (meth)acrylate); and

d) a partial or complete hydrolysis of the product obtained during stage c) is carried

out, then

e) optionally, a stage of maturing is further carried out at a temperature of between

10°C and a temperature of less than or equal to the boiling point of said dispersion,

f) optionally, after stage d) or after stage e), a stage of concentration of the dispersion

is carried out, and

g) the particles having a mean size of between 2 and 500 nm are recovered.

44. (Previously presented) A process according to claim 43, wherein the nonionic

side chains exhibit a poly(ethylene glycol) number-average molar mass of between 200

and 10 000 g/mol.

45. (Currently amended) A process according to claim 43 29, wherein the

copolymer comprises a stabilizing hydrophilic neutral backbone and complexing

anionic hydrophilic side chains, said neutral backbone being obtained from ethylene

oxide in the form of an oligomer or of a polymer.

46. (Previously presented) A process according to claim 45, wherein the side

chains are obtained from monomers selected from the group consisting of unsaturated

carboxylic acids, polycarboxylic acids, anhydride form of polycarboxylic acids,

unsaturated amino acids and unsaturated sulfonic acids.

47. (Currently amended) A process according to claim 43 29, wherein the

monomers forming the complexing anionic backbone or the complexing anionic side

chains are combined with, or partially substituted by, esters of unsaturated carboxylic

acids, optionally carrying a sulfonated group or a hydroxyl group; esters of unsaturated

carboxylic acid; linear or branched hydrocarbonaceous monomers comprising at least

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one carbon-carbon double bond which comprise 2 to 10 carbon atoms in the longest chain; vinylaromatic monomers; α,β -ethylenically unsaturated nitriles; α,β ethylenically unsaturated amides; vinyl ether; or N-vinylpyrrolidone.

- 48. (Previously presented) A process according to one of claim 47, wherein the copolymer is combined with at least one polymer obtained by polymerization of at least one anionic monomer which are unsaturated carboxylic acids, polycarboxylic acids or their anhydride form, or unsaturated sulfonic acids.
- 49. (Previously presented) A process according to claim 48, wherein the polymer has a weight-average molar mass of between 2 000 and 5 x 10^5 g/mol.
- 50. (Canceled)
- 51. (Currently amended) A process according to claim 43 29, wherein of at least 80% of the particles obtained at the end of stage d) have a mean size between 2 and 500 nm.
- 52. (Currently amended) A process according to claim 43 29, wherein, after stage d), a stage e) of maturing is further carried out at a temperature of between 10°C and a temperature of less than or equal to the boiling point of said dispersion.
- 53. (Previously presented) A process according to claim 52, wherein, after stage d) or after stage e), a stage f) a concentration of the dispersion is carried out.
- 54. (Previously presented) A process according to claim 53, wherein the concentration is carried out by partially or completely separating the particles from the medium of the dispersion and then optionally by redispersing the particles thus obtained in an appropriate amount of aqueous medium.

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AMENDMENT AFTER FINAL

55. (Previously presented) A process according to claim 54, wherein the separation

stage is carried out is by ultrafiltration, dialysis, precipitation, centrifugation,

ultracentrifugation, complete or partial evaporation, with or without heating, of the

aqueous medium of the dispersion.

56. (Canceled)

57. (Currently amended) A process according to claim 43 29, wherein the mean

size of the recovered particles is of between 2 and 300 nm.

58. (Previously presented) A process according to claim 57, wherein the mean size

of the recovered particles is of between 2 and 90 nm.

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